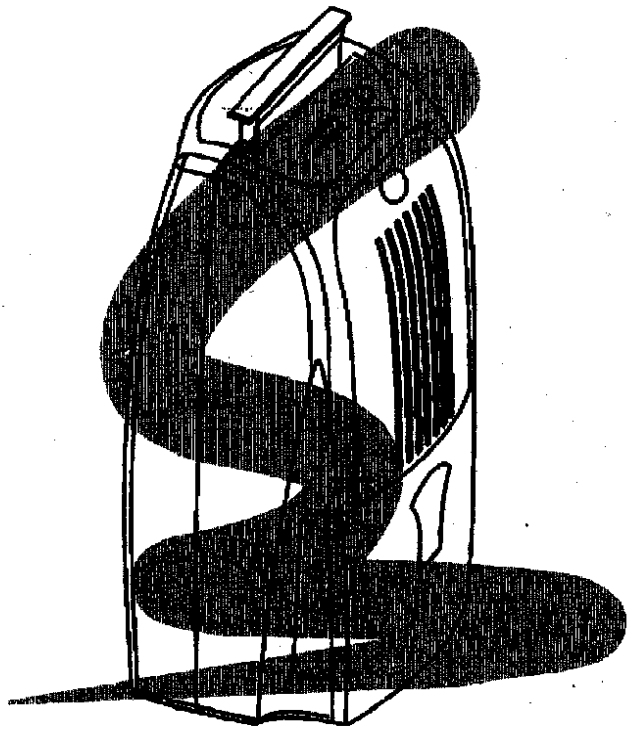




Dehumidifier

Manual Instruction





Model AD-40A






Precautions

CONTENTS

















- **Precautions** **2**
- **Operation and performance** **5**
- **Parts names and functions** **6**
- **For selecting functions properly** **8**
- **Preparation and checking before operation** **10**
- **How to operate** **11**
- **For maintenance** **14**
- **For continuous draining** **16**
- **Specification** **17**
- **Trouble-shooting** **17**


Thank you very much for purchasing our Dehumidifier.
Please read this manual instruction carefully before operating your dehumidifier.
This manual contains further important instructions for proper operation. Please save it for your further reference.


Please read Precautions carefully before operating the dehumidifier.

-  **Warning** means improper handling may result in a death or a serious injury to a person.
-  **Caution** means improper handling may result in an injury or damage to properties.
-  Shows Prohibition
-  Shows Compulsion
-  Shows Caution

 **Warnings**

-  In case of any abnormality, be sure to turn off the dehumidifier, disconnect the plug and make contact to the seller of your appliance.

Pull off plug
- (Abnormal operation may result in a failure of the unit, electric shock, fire, or the like.)
-  Never attempt to turn off the dehumidifier by disconnecting the plug. 
Prohibit
-  Never modify the dehumidifier. Do not attempt to disassemble or service the unit by yourself. 
Prohibit disassembly
-  To avoid the risk of the electric shock, never connect or disconnect the plug by your hand wet. 
Prohibit wet hand
-  This unit is intended for the connection to the power source of 120 volts alternative current. 
Use alternative power 120V
-  Remove any dust from the blades of the power plug and insert the plug into an outlet securely. 
Wipe off dust
-  To avoid the risk of fire or explosion, do not spray to the dehumidifier. Do not put any inflammables or chemicals near the unit. 
Prohibit
-  To prevent resin parts from melting or catching on fire, do not place the dehumidifier near heating appliances. 
Prohibit

- Do not connect the dehumidifier to an outlet having the electrical ratings below the dehumidifier's.
- The power cord must not be damaged or modified. Do not put anything hot or heavy on the cord. Do not pull it out, or bundle it during operation.
- To avoid damages to the power cord, do not pinch the cord in a door.
- Never put rods or objects into the openings of the dehumidifier. Because this unit contains a fan running at high speed, contact with the moving fan will cause serious injury.
- Remove water that has been collected in the tank.
(Accidentally drinking of the water or using it for other purpose may cause illness and/or unforeseen accidents.)



Prohibit



Prohibit



Prohibit



Prohibit



Throw away

! Cautions



- The dehumidifier must be used on a level and stable surface.
- To prevent the water from freezing, do not use the dehumidifier and the drain hose at ambient temperature below 32°F
- Do not use the dehumidifier outside. Exposure to direct sunlight or rain may result in overheating, electric shock and fire.
- Do not use the dehumidifier outside. Exposure to direct sunlight or rain may result in overheating, electric shock and fire.
- Do not put water vessel on the dehumidifier
(In case of any spill of water, the water gets into the unit and deteriorates the insulation.)
- Never attempt to use the dehumidifier for special uses, such as food or preservation of art objects, or the like. The deterioration of preserving quality may be caused.
- Do not use the dehumidifier where any leakage of oil or flammable gas may take place.



Use in flat ground



Prohibit



Prohibit



Prohibit



Prohibit



Prohibit



Prohibit

- Do not use the unit in places subject to chemicals.
- For continuous draining, make sure that the drain hose is set properly without a rising slope.
- Be careful that a heating appliance is not exposed to the wind from the dehumidifier.
- Do not use the dehumidifier as a chair or a footstool.
- For safety purpose, disconnect the power plug if the unit is not use for a long time.
- Be sure to take hold of the power plug when plugging in and out of an outlet.
- In case of using the dehumidifier in a closet, be sure to prevent children from getting in the closet.
- Do not remove the float lever from the water tank.
- To avoid damages to the power cord, do not pull out the cord when moving the unit.
- Do not block up the air intakes and the air outlets. Do not cover the unit with washed clothes.
- Prior to continuous operation for a long duration, periodical checking is required especially for the air clean filter, the drain hose, or the like.
- Turn off the unit and disconnect the power plug before starting any cleaning or other routine maintenance.
- To avoid the risk of electric shock, never sprinkle or spill water on the dehumidifier when cleaning.
- Turn off the unit and empty the water out of the water tank when moving the unit. Be sure to hold the handle when moving.



Prohibit



Ensure drain hose



Prohibit



Prohibit



Disconnect power plug



Hold power plug



Prohibit



Prohibit



Prohibit



Prohibit



Schedule check out



Turn off unit



Prohibit



Shut off operation and drain water when moving

Operation and Performance

Defrosting operation

The evaporator within the dehumidifier frosts during the dehumidifying operation at room temperature of approx. 59 °F or less. For removing frost the defrosting device works automatically at an interval of approx. 30 minutes or more (for duration of approx. 5 minutes).

- Both the dehumidifying function and the air cleaning function stop during the defrosting operation.
- Do not disconnect the plug of the unit or turn off the unit during the defrosting operation.

This dehumidifier is not suitable for keeping the humidity very low (approx. 50% or less)

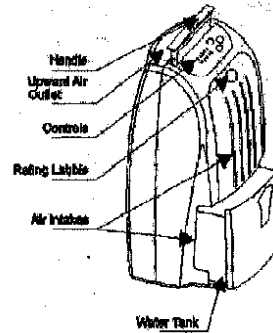
This dehumidifier is designed to remove uncomfortable humidity in daily life and to use for auxiliary drying of washed clothes indoors. This is not suitable for keeping the humidity very low.

Room temperature rises during the operation.

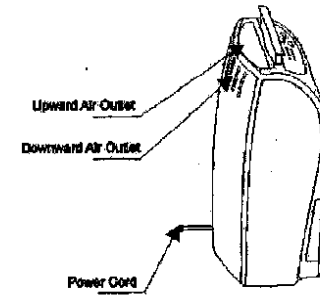
This dehumidifier does not have cooling function. It produces heat during the operation and room temperature rises by 1°F to 5°F. The temperature gets higher while it is operated in a closet, or the like. Furthermore, room temperature rises because doors and windows are closed and heat is produced from other appliances in the room and the sun radiation.

Parts Names and Functions

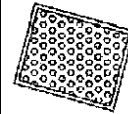
Front



Back



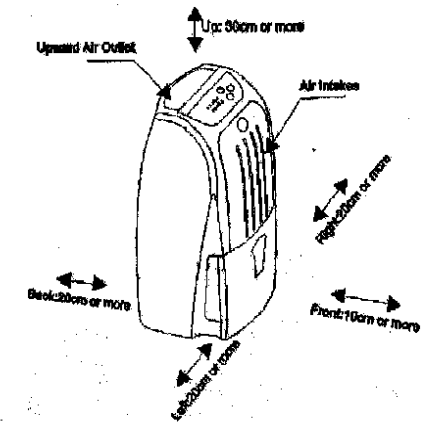
Accessory



Anti Bacteria
Air Clean
Filter...1 piece

Installation

For efficient operation of the dehumidifier, spacing are required as shown below.



Note

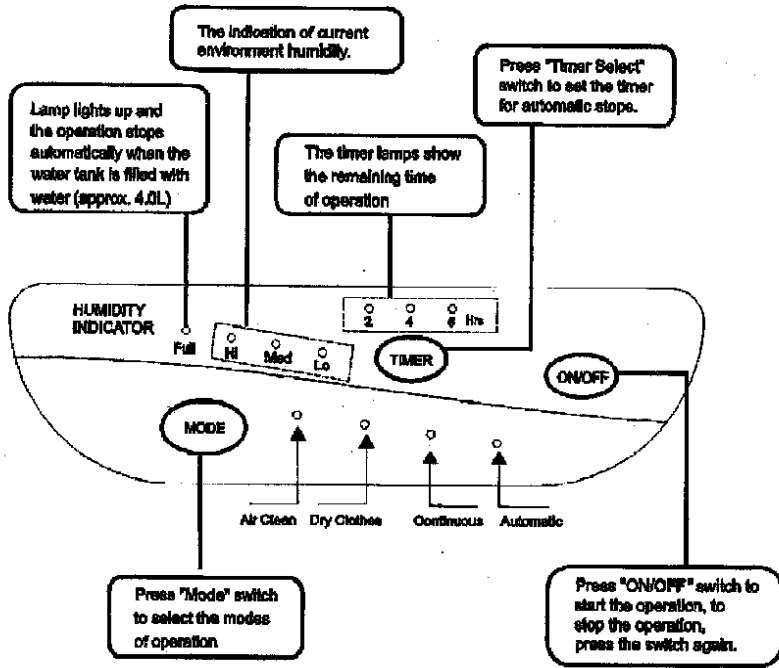
In case TV sets, radio etc. are disturbed with noises, keep them apart from the dehumidifier by 70cm or more.

For Selecting Functions Properly

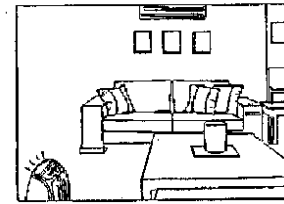
Controls

This MFL light indication method

Light off	○
Light on	●
Light flashing	★



To dehumidify a room for comfortable humidity

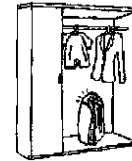


To dehumidify a room or keep a ceiling and/or walls from dew condensation and getting moldy

MODE



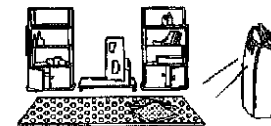
To dehumidify a closet



To dry washed clothes faster



To dry a carpet or a rug



To dehumidify a small space or dry shoes



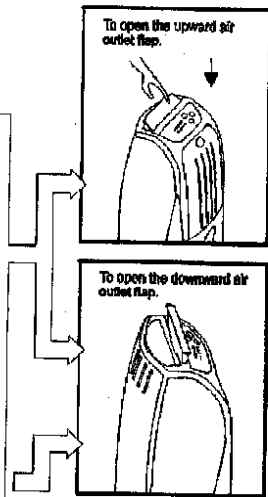
To make air clean in a room



Built-in microcomputer memorizes the operation of dehumidifier, once it is set. The unit repeats the same operation by pressing "Power" switch. (In case of disconnection by unplugging or power failure, start over the setting again.)

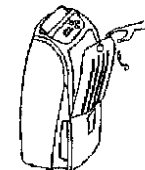
Preparation and Checking before Operation

- | |
|---|
| <p>Operation mode "Automatic"</p> <ul style="list-style-type: none"> ● Open either the upward flap or the downward flap ● The dehumidifying operation stops automatically when humidity is below approx. 60%. The dehumidifier continues the air cleaning operation only ("Automatic operation lamp remains lighting up.") |
| <p>Operation mode "Continuous"</p> <ul style="list-style-type: none"> ● Open either the upward flap or the downward flap ● The initial timer setting is "2H". You can change the setting to "4H" or "8H" ● Be sure to put the dehumidifier in a closet with the tank side toward the closet door. ● Try to close the closet doors to a degree that the power cord may not be pinched in the doors. |
| <p>Continuous operation with additional air flow</p> <ul style="list-style-type: none"> ● Open either the upward flap or the downward flap for drying washed clothes uniformly. |
| <p>Continuous operation with the downward flap open.</p> <ul style="list-style-type: none"> ● Open the downward flap of air outlet only. |
| <p>Continuous operation with the spot flap open.</p> <ul style="list-style-type: none"> ● Open the spot flap of air outlet only. |
| <p>Air Clean</p> <ul style="list-style-type: none"> ● This unit is not intended for use as an exclusive air cleaner. ● Open either the upward flap or the downward flap. ● Air cleaning function does not work without air clean filter. |



Set an air clean filter to a dehumidifier.

1. Remove the back cover.



2. Remove the filter holder from the back cover.

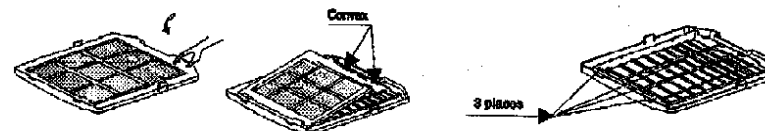
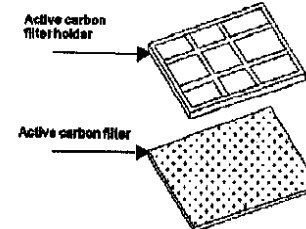


3. To set the air clean filter to the back cover.

Take the air clean filter out of polyethylene bag, and put it onto the back filter. Set the air clean filter to the back cover with the filter fitted into the four catches in the cover.

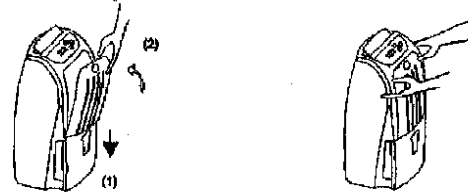
Put the filter holder on the back cover with the flat surface of the holder up, and set the holder to the four catches in the cover (with the convex portions of the holder upward).

To set the holder securely, press its perimeter with fingers. Then check the condition.



● In case of improper setting conditions, you cannot set the back cover to the unit.

Set the cover in position.



For easy installation, please install one side first, and then the other side.

Make sure that the water tank is set properly.

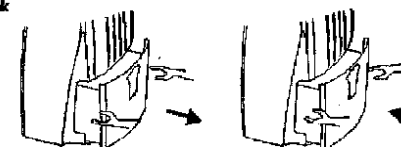
Your dehumidifier will not be operated when the water tank is full of water or it is not set properly.

How to remove

Draw the water tank gently toward you by holding the concave part of the tank.

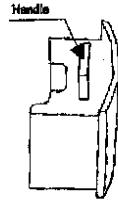
How to set

Push the tank horizontally and gently. The handle lies down by itself.



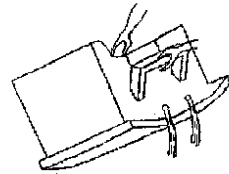
When you empty water from a water tank

1. Remove water tank from the dehumidifier.
2. Hold the tank by the handle and carry it gently.
3. Tilt the tank to the direction as shown, and slowly empty the water out of the tank.
4. Set the tank in the dehumidifier.



Note

After the dehumidifying operation, water is collected in the water tank. When the tank is full of water, the dehumidifier stops operating automatically and the buzzer sounds. The buzzer sounds for 10 seconds when the tank is taken out during the operation. For continuous draining, see the page 16.

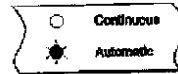


How to Operate

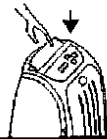
- Your dehumidifier will stop automatically after the hours set by the timer (2H, 4H or 8H)
- If the unit is set to "Continuous" mode, the initial timer setting is "2H". You can change the setting to "4H" or "8H".

Plug in the dehumidifier to an outlet.

- "Automatic" mode lamp will flash.
- Make sure that the water tank is set properly.



Open one of the air outlet flaps suitable for the desired operation.



Press "Power" switch.

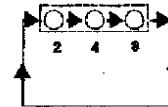
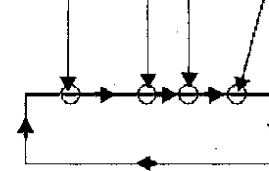
- "Automatic" mode lamp will light up.



Set the unit to the desired operation by pressing "Mode" switch.

- Every time you press the switch, the mode select lamps light up in turn as shown and the operation mode will be changed.

Air clean Dry clothes Continuous Automatic



- With the lapse of time, the timer lamp lighting up will indicate the remaining time.

The unit will stop operating after the lapse of the set time.

Warning

To avoid damages to the power cord, do not pinch the cord in a door.



Caution

Be sure to prevent children from getting in a closet when using the unit in the closet.



Stop operating

Press "Power" switch again.

- The mode select lamp will go off and the unit will stop operating.
- Close the flap.

Buzzer

Whenever each switch is pressed, the buzzer will sound.

Note

Be sure to open one of the flaps. If the flap is not opened fully during operation, the overheat prevention device will work and the unit will stop operating.

Due to the protective function for the machine, the dehumidifying operation will be started after approx. 3 minutes, when the unit is plugged in or restarted immediately after stopped.

After recovery from a power failure, "Automatic" mode lamp will flash, press "power" switch again to start the operation.

Efficiency of the dehumidifier is influenced by the air outside the room. For operating efficiently, try to avoid opening and closing the windows and the doors.

For proper performance, operate the dehumidifier under the usable operating temperature. For safety purpose, the dehumidifying operation will be stopped automatically and changed to the air cleaning operation when the ambient temperature is higher than approx. 97°F.

Circulation of the refrigerant may cause sound within the dehumidifier when the operation is started. After the circulation is stable, the sound will be lowered.

To change the timer set

Press "Timer Select" Switch to set the desired time.

To cancel the timer operation

Press "Timer Select" Switch the Timer lamp will go off.

To stop the timer operation

Press "Power" switch again

Notes

- Except "Continuous" mode operation the timer set will be cancelled whenever "Mode" switch is pressed. Set the timer again after pressing "Mode" switch, if necessary.
- The timer stops when the water tank is full of water. After the tank is emptied, the timer will start.

For Maintenance



To avoid of the risk of electric shock, never connect and disconnect the plug with your hand wet.



Turn off the unit and disconnect the power plug before cleaning or other routine maintenance.



Do not remove the float lever from the water tank.



When the unit is not in use for a long time.

1. Unplug the unit, bundle the power cord, and hang the bundled cord at the back of the unit as shown.
2. Empty the water out of water tank, wipe the tank with cloth and replace in position.
3. Clean the air clean filter.
4. For storing, stand the unit upright and avoid the exposure to the direct sunlight.

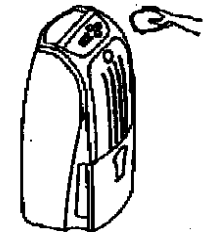
Request

- To avoid malfunction or abnormal sound, keep the unit upright.

Body of Dehumidifier

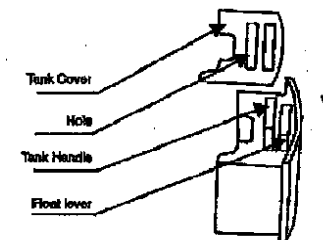
Wipe the dehumidifier with a dry and soft cloth.

- To remove heavy dirt, wipe it with a cloth wrung tightly. (Never use a wet cloth for cleaning the controls).
- To avoid deformation or cracking, do not use benzene, thinner or liquid cleaners.
- Chemical cloth may cause the change in color of the unit.



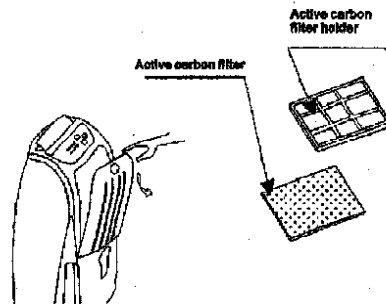
Water tank

- Put out the water tank and take it out.
- Remove the tank cover and wash the inside of the tank with water.
- The tank may be scratched, if you scrub it strongly with a brush.
- Do not remove the float lever from the tank.
- Wipe off the water on the outside of tank with a cloth. Put the tank cover onto the tank and replace the tank as it was.
- Pass the handle through the hole of the tank cover as shown.

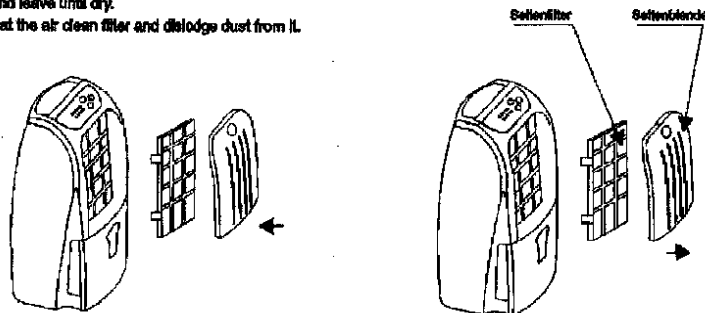


Back & Side Air Intakes (Maintenance every 2 weeks)

- The dehumidifying capacity will be lowered when the air clean filter gets clogged.
- Remove the back cover from the unit and remove the filter holder. Then take out the air clean filter and the back filter.



- Pull the slider cover toward you and remove it from the unit. Remove the slider filter from the unit.
- To dislodge the dust from these filters, use a vacuum cleaner or pat them lightly.
- If the filters are fouled seriously, wash in water including neutral detergent, rinse well with water and leave until dry.
- Pat the air clean filter and dislodge dust from it.



Air Clean Filter (Maintenance every 6 months)

Time to replace the air clean filter.

- The life span of an air clean filter is approx. 6 month.
- In case of replacing with new air clean filter, be sure to purchase the filter specified as below:
Model No.: AD-40A
Model No. Of Anti bacteria Air clean filter: AD-40AF

Request Do not make the air clean filter round or damage it.
Do not leave the filter unused after it is taken out of the bag.

For Continuous Draining



- For continuous draining, make sure that the drain hose is set properly without a rising slope.

① Ensure drain hose

- To prevent the water from freezing, do not use the dehumidifier and drain hose at ambient temperature below 32°F. If there is a place suitable for draining nearby, you can carry out the continuous draining operation. The continuous operation enables the dehumidifying operation for hours and it is not necessary to empty out the water tank.

② Prohibit

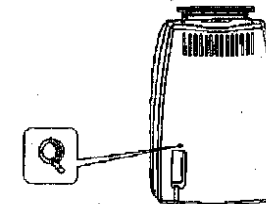
Before operating continuous draining, be sure to turn off the dehumidifier and disconnect the power plug.

Preparation for continuous draining:

Hose for draining (vinyl hose on the market)
length: Distance to the place for draining + approx. 30cm
inner diameter: 15mm
outer diameter: 20mm or less

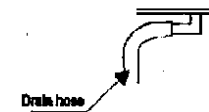
Make the hose opening

- To make the opening, remove the cover for the drain hose by means of a minus screwdriver.



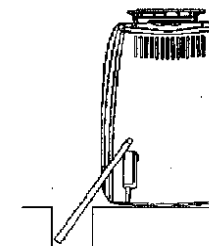
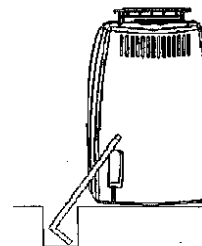
Fit a drain hose.

- Put the drain hose into the hose opening and fit the hose to the drain hole fully and securely.



Set the water tank as it was before

- The unit will not be operated without the tank.



Specifications

Model No.	AD-40A
Power Supply	115V/60Hz
Dehumidify Capacity	40 Pints/Day(86°F/80%)
Power Consumption	340W
Capacity of water tank	Operation stops approx.5.0L
Net weight	28.7 LB
Dimensions	22.5(H)x15.4(L)x11.3(W) inch
Room Temperature	41°F-95°F

The specification may be subject to change without notice for purpose of improvement.

Troubel-Shooting

Prior to requesting to repair, please check for the following:

Malfunction	Points to be checked	Measures to be taken	Ref. Page
No operation	Check to see if the power plug is disconnected.	Insert the plug into an electric outlet fully and securely.	2
	Check to see if the water tank is full of water.	Empty the water out of the tank.	2
	Check to see if the water tank is not set properly in position.	Set the tank to the unit properly in position.	11
	Check to see if all the flaps are closed.	Open one of the flaps.	13
Dehumidified volume is small	To see if the filters get dirty.	Clean the filters as specified.	13
	Check to see if the air openings are blocked up.	Remove obstacles from the air openings.	13
Lowest sound while operating	Check to see if the dehumidifier is in air clean mode.	Change the operation mode to the dehumidifying mode.	13
	Check to see if the unit is not installed as specified.	Install the unit on a level and stable floor.	13
Operation stops during spot dehumidifying	Check to see if the room temperature is higher than the usable operating temperature.	The dehumidifying operation will be started automatically when the temperature lowers.	13
Washed clothes are not dried	Check to see if washed clothes are not exposed to the air from the unit.	Try to expose the washed clothes to the air flow.	13
	Check to see if the room temperature is too low.	Washed clothes are hard to be dried under low temperature conditions.	13

Nothing is wrong with your dehumidifier in case of the following phenomena

Phenomenon	Reason
Operation stops occasionally	The unit is defrosting (See the page 5).
Dehumidified volume is small	Dehumidifier volume less when the room temperature is low (see the page 6) The unit stops operating when the room temperature is below approx. The unit stops dehumidifying because the humidity in a room drops to 60% or less in "Automatic" mode. (See the page 5).
The humidity in a room is still high	The room size may be too large. (see the page 5) The doors or the windows of the room may be opened and /or closed frequently. (See the page 5) The dehumidifier is used together with a kerosene heater which emits vapor.
Bad smell during operation	Smell is emitted from the walls, furniture or other objects.
Sound is produced within the unit	Circulation of the refrigerant may cause sound until it is stable.
Water is left in the water tank	The water is left because the unit is subjected to dehumidifying test in the factory.
The buzzer sounds	The buzzer sounds when the water tank is full of water. (See the page 11).

Customer's Sheet:

Please record the following items.

Model	AD-40A
Purchase Date	
Store	TEL: